AMENDMENTS TO THE CLAIMS

At page 9, please delete the centered heading ~~Patent Claims~~ at the left margin.

Before claim 1, please insert the following heading at the left-hand margin: We Claim:

The following listing of claims replaces all prior listings, and versions, of claims in the subject patent application.

Listing of Claims

1-37 (Canceled)

38. (New) A sensor for use in a medical training system, the sensor comprising:

a simulation of a body structure, the body structure comprising at least one compartment for containing a mobile substance; and

sensing means for detecting pressure applied to the body structure.

39. (New) A sensor according to claim 38, wherein the sensing means senses displacement of the mobile substance from each of the at least one compartment or detects changes in the internal pressure of each of the at least one compartment.

40. (New) A sensor according to claim 38 wherein the mobile substance is a fluid or a free flowing solid.

41. (New) A sensor according to claim 40, wherein the mobile substance is a free flowing fluid and each of the at least one compartment is in communication with a fluid containing reservoir.

42. (New) A sensor according to claim 41, wherein the reservior comprises pump means for increasing or decreasing the volume of fluid in each of the least one fluid compartment.

43. (New) A sensor according to claim 42, wherein the pump means is connected to control means for controlling the volume of fluid in each of the at least one fluid compartment.

44. (New) A sensor according to claim 43, wherein the control means is provided with a variety of predetermined fluid volumes corresponding to a variety of different anatomical conditions.

45. (New) A sensor according to claim 40, wherein the mobile substance is a fluid and the sensing means detects displacement of the fluid from each of the at least one compartment and generates a signal corresponding to the fluid displaced from the or each compartment.

46. (New) A sensor according to claim 45, wherein the signal corresponds to the volume of fluid displaced from each of the at least one compartment or pressure of the displaced fluid.

47. (New) A sensor according to claim 45, wherein the sensing means detects changes in the pressure of each of the at least one compartment and generates a signal corresponding to the pressure change.

48. (New) A sensor according to claim 45, wherein the sensing means detects changes in the internal pressure of each of the at least one compartment and generates a signal corresponding to the pressure change.

49. (New) A sensor according any preceding claim, wherein the simulated body structure corresponds to a simulated human internal body structure.

50. (New) A sensor according to claim 49, wherein the signal is fed to a feedback presentation unit which provides feedback to a user.

51. (New) A medical training system for diagnostic examinations performed on the human body by palpation comprising:

a simulation of a human anatomical structure, the anatomical structure having an outer surface and an internal cavity;

one or more sensors according to claim 38 located within the internal cavity; and

a feedback presentation unit in communication with the pressure sensing means for providing feedback to a user.

52. (New) A system according to claim 51, wherein the anatomical structure is selected from the group comprising a human torso, a female breast, a human head, a human heck, a human shoulder, a human leg, a human arm, a human axilla, a human pelvis, a human knee and a human foot.

53. (New) A system according to claim 51, wherein said simulation and said feedback presentation unit are adjustable to provide feedback for one of a plurality of different medical examinations.

54. (New) A system according to claim 51, wherein said medical examination comprises a set of predetermined steps and said feedback comprises an indication of completion of said set of predetermined steps.

55. (New) A system according to claim 51, wherein the feedback presentation unit is selected from the group comprising display means, a graphical display, a liquid crystal display and an analogue display unit.

56. (New) A method of training examinations performed on the human body by palpation using a system according to claim 51 comprising the steps of:

receiving signals from the sensor, wherein said signals are generated in response to palpation of the sensor; and

providing feedback to a user, wherein said feedback is derived, at least in part, from said signals.

57. (New) A method of training examination according to claim 56, wherein the volume of fluid in the or each fluid containing compartment is altered to present the user with a variety of simulations representing increasing anatomical complexity or increasing clinical difficulty.